

Title (en)  
METHOD AND APPARATUS FOR FORMING A THREAD RESERVE WINDING

Publication  
**EP 0295394 B1 19910904 (DE)**

Application  
**EP 88106465 A 19880422**

Priority  
• DE 3720220 A 19870617  
• DE 3733353 A 19871002

Abstract (en)  
[origin: JPS6417774A] PURPOSE: To easily loosen yarn and easily find a yarn tip part by arranging a first coil wound on the yarn tip part to be farthest from a coil pipe edge part. CONSTITUTION: Yarn 16 is wound from the left direction to the right direction for every winding toward a coil pipe tip part 60 of the right side. Because a pulse sensor switches off a coil pipe driving member again immediately after a preliminary yarn 15 of coils of a prescribed number is formed, a coil pipe 6 is temporarily stopped. However, the pulse sensor transmits pulses to also an automatic control device of an operating device 9. According to the transmission, a cam disc set performs a control in the next process. Because fingers 26, 27, 28 are applied to the coil pipe 6 again at first and next a suction pipe 43 is returned to the right direction, the coil pipe 6 is released from coil pipe receivers 33, 34 again. Next, a separating device 71 is operated so as to separate an excess yarn 70' and leave only a desired short yarn tip part 70. For the time, a feeding device 67 is returned and revolved and comes a non-action location. Also a guide member 63 is removed from yarn 16.

IPC 1-7  
**B65H 54/34**

IPC 8 full level  
**B65H 54/34** (2006.01)

CPC (source: EP US)  
**B65H 54/34** (2013.01 - EP US); **B65H 2511/30** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0295394 A1 19881221; EP 0295394 B1 19910904**; DE 3733353 A1 19881229; DE 3864594 D1 19911010; JP 2637169 B2 19970806; JP S6417774 A 19890120; US 4878629 A 19891107

DOCDB simple family (application)  
**EP 88106465 A 19880422**; DE 3733353 A 19871002; DE 3864594 T 19880422; JP 14598488 A 19880615; US 20814588 A 19880616